

MONITORING CIRCUIT**ABSTRACT**

There is provided a monitoring device which can be used as a battery monitor in a mobile communications device, such as a mobile phone. The monitoring device includes output registers, from which parameter values can be read by a processor unit.

Advantageously, the device makes frequent measurements, and updates parameter values on the basis of those measurements. The updated stored parameter values can then be read by the processor. This has the advantage that the processor does not have to read a large number of values, in order to obtain the information required about the parameters. This therefore has the result that communications on the bus are reduced, and power consumption is reduced.

For example, the parameters may include a maximum battery voltage, a minimum battery voltage, and an average battery voltage, as well as parameters relating to the current supplied to the battery during charging.

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